

Abstract of the Invention

Provided are methods of forming optical waveguides. The methods involve:
(a) forming over a substrate a layer of a photodefinable composition; (b) exposing a
portion of the layer to actinic radiation; (c) developing the exposed layer to form a
5 waveguide core structure; and (d) heating the waveguide core structure to a temperature
and for a time effective to reflow the structure such that it becomes at least partially
rounded in cross-section. Also provided are optical waveguides formed from the
described methods and electronic devices including one or more of the optical
waveguides.